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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/680,844
Filing Date	October 6, 2003
First Named Inventor	Ihab H. ELZIND
Art Unit	
Examiner Name	
Attorney Docket Number	PNTRD-00612

Total Number of Pages in This Submission

ENCLOSURES (*Check all that apply*)

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☐ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☑ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☑ Other Enclosure(s) (please Identify below):

Return Postcard, 8 References

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Derek J. Westberg (Reg. No. 40,872)
Signature	
Date	January 6, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: Jan 6, 2004

Typed or printed	Daniel Ratoff		
Signature		Date	Jan 6, 2004

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Atty. Dkt. No. PNTRD-00612

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Ihab H. ELZIND

Application No: 10/680,884

Filing Date: October 6, 2003

Title: MULTIBEAM ANTENNA FOR A WIRELESS NETWORK

* * *

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir/Madam:

Pursuant to 37 CFR §1.56(a) and 1.97(b), Applicant hereby cites the following documents listed on the attached Forms PTO/SB/08A. In accordance with 37 CFR §1.97(h) the filing of this information disclosure statement shall not be construed as an admission that the information cited in this statement is, or is considered to be, material to patentability as defined in § 1.56(b).

The Commissioner is also authorized to charge any deficiencies in fees and credit any overpayment of fees to Deposit Account No. 50-1610.

Respectfully submitted,
Law Office of Derek J. Westberg

By _____ Jan 6, 2004
Derek J. Westberg Date
Reg. No. 40,872
Attorney for Assignee

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	10/680,844
Filing Date	October 6, 2003
First Named Inventor	Ihab H. ELZIND
Art Unit	
Examiner Name	
Attorney Docket Number	PNTRD-00612

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,327,486-A	07-05-1994	Wolff, et al.	
		US- 5,793,762-A	08-11-1998	Penners, et al.	
		US- 5,657,326-A	08-12-1997	Burns, et al.	
		US- 5,353,283-A	10-04-1994	Tsuchiya	
		US- 5,673,031-A	09-30-1997	Meier	
		US- 5,159,592-A	10-27-1992	Perkins	
		US- 5,442,633-A	08-15-1995	Perkins, et al.	
		US- 5,533,029-A	07-02-1996	Gardner	
		US- 5,544,222-A	08-06-1996	Robinson, et al.	
		US- 5,590,133-A	12-31-1996	Billström, et al.	
		US- 5,606,595-A	02-25-1996	Ejzak	
		US- 5,713,075-A	01-27-1998	Threadgill et al.	
		US- 5,657,326-A	08-12-1997	Ramachandran et al.	
		US- 5,327,486-A	07-05-1994	Kramer et al.	
		US- 5,940,515-A	08-17-1999	Kasavaraju	
		US- 5,940,371-A	08-17-1999	Mitts, et al.	
		US- 5,930,236-A	07-27-1999	Havansi	
		US- 5,926,147-A	07-20-1999	Sehm, et al.	
		US- 5,920,705-A	07-06-1999	Lyon, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		WO-94/30038-A1	12-22-1994	COM 21, Inc.		
		EP-0 695 053-A2	01-31-1996	AT&T Corp.		
		WO-00/08788-A1	02-17-2000	ELZIND, Ihab H.		
		WO-00/48367-A2	08-17-2000	NOKIA WIRELESS ROUTERS, INC.		
		WO-00/21236-A1	04-13-2000	TELEFONAKTIEBOLAGET LM ERICSSON		
		WO-98/59468-A2	12-30-1998	NOKIA TELECOMMUNICATIONS OY		

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

Complete if Known	
Application Number	10/680,844
Filing Date	October 6, 2003
First Named Inventor	Ihab H. ELZIND
Art Unit	
Examiner Name	
Attorney Docket Number	PNTRD-00612

U. S. PATENT DOCUMENTS

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		US- 5,920,619-A	07-06-1999	Karppinen	
		US- 5,915,239-A	06-22-1999	Haavisto, et al.	
		US- 5,905,714-A	05-18-1999	Havansi	
		US- 5,889,852-A	03-30-1999	Rosecrans, et al.	
		US- 5,889,762-A	03-30-1999	Pajuvirta, et al.	
		US- 5,887,266-A	03-23-1999	Heinonen, et al.	
		US- 5,887,252-A	03-23-1999	Noneman	
		US- 5,884,103-A	03-16-1999	Terho, et al.	
		US- 5,864,550-A	01-26-1999	Posti	
		US- 5,862,492-A	01-19-1999	Leppanen, et al.	
		US- 5,845,192-A	12-01-1998	Saunders	
		US- 5,840,020-A	11-24-1998	Heinonen, et al.	
		US- 5,828,959-A	10-27-1998	Soderbacka	
		US- 5,809,018-A	09-15-1998	Lehmusto	
		US- 5,809,011-A	09-15-1998	Almay	
		US- 5,805,301-A	09-08-1998	Rasanen	
		US- 5,802,465-A	09-01-1998	Hamalainen, et al.	
		US- 5,799,243-A	08-25-1998	Ojaniemi	
		US- 5,793,744-A	08-11-1998	Kanerva, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		WO-99/33301-A1	07-01-1999	Nokia Mobile Phones Ltd.		
		WO-99/20021-A1	04-22-1999	NOKIA TELECOMMUNICATIONS OY		

Examiner Signature		Date Considered	

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Sheet 3 of 4

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First Named Inventor	Ihab H. ELZIND
Art Unit	
Examiner Name	
Attorney Docket Number	PNTRD-00612

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		US-5,790,957-A	08-04-1998	Heidari	
		US-5,790,534-A	08-04-1998	Kokko, et al.	
		US-5,790,288-A	08-04-1998	Jager, et al.	
		US-5,774,804-A	06-30-1998	Williams	
		US-5,772,586-A	06-30-1998	Heinonen, et al.	
		US-5,752,201-A	05-12-1998	Kivari	
		US-5,722,074-A	02-24-1998	Muszynski	
		US-5,715,245-A	02-03-1998	Suonvieri	
		US-5,678,178-A	10-14-1997	Tahkokorpi	
		US-5,671,224-A	09-23-1997	Pyhalammi, et al.	
		US-5,648,962-A	07-15-1997	Pirinen	
		US-5,636,264-A	06-03-1997	Sulavuori, et al.	
		US-5,625,878-A	04-29-1997	Lopponen, et al.	
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		US-5,600,705-A	02-04-1997	Maenpaa	
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		US-5,577,264-A	11-19-1996	Tuohino	
		US-5,577,102-A	11-19-1996	Koivunen	
		US-5,561,841-A	10-01-1996	Markus	

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		US-5,561,840-A	10-01-1996	Alvesalo, et al.	
		US-5,557,654-A	09-17-1996	Maenpaa	
		US-5,553,125-A	09-03-1996	Martensson	
		US-5,551,056-A	08-27-1996	Koponen, et al.	
		US-5,533,116-A	07-02-1996	Vesterinen	
		US-5,502,725-A	04-26-1996	Pohjakallio	
		US-5,483,668-A	01-09-1996	Malkamaki, et al.	
		US-5,450,487-A	10-12-1995	Lahdemaki, et al.	
		US-5,428,822-A	06-27-1995	Helenius, et al.	
		US-5,400,390-A	03-21-1995	Salin	
		US-5,337,344-A	08-09-1994	Alvesalo	
		US-5,237,561-A	08-17-1993	Pyhalammi	
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